THE MINES OF ARIZONA

This department is under the di rection of Mr. W. E. Defty, the well known mining engineer, who will carefully scrutinize all matters relating to mining in order that only reliable information reparding legitimate enterprises shall find a place here.

The Republican would be pleased to receive information from any part of the state regarding the development of the mining industry. All communications should be addressed: Mining Department, Arizona Republican.

What Abraham Lincoln Said predictions that came true. We came which has been rather dull for some across a statement of his concern- time. ing mining which we have not seen previously quoted. The statement is This company near Kingman shipa very wise one and coupled with ped a bar of bullion last week valued great foresight for it has come true at \$29,000. Several bars of equal valin every particular. Here is the ne are shipped to the mint each statement as follows: statement as follows:

"The American mines will prove that we are the treasury of the

mine stock selling for now? Broker-We just sold the last ten of years. rolls of it for wall paper.

the earth, estimated as 10 miles by the Arizona Asbestos association of the land above the sea, is 1,633,- fibre and of excellent quality and

Verde Smoke Stack

prevent but a slight emission of the burros, fumes from its top and what does escape will not effect to any depreciable extent the vegetation along the valley. At that great height, gonia and formerly owned by Frank wide distribution by the air currents, opment and continues to be the larg-What with peculiarly constructive est shipper of the district. At presdust chambers, bafflers and sack ent about 30 tens per day is shipped houses the smoke nuisance from the to the smelters. The ore contains big smelters are reduced to a mini-silver, lead and copper and will avbe utilized for some beneficial pur- ton. The property has always been

Copper Giant

viously stated is now in the hands probably wouldn't take out another of the Verde Company. The prop- until his bank account required re erty is a very valuable one with plenishing. large ore bodies in sight and probably will be a large producer when the new smelter gets into commis-

This property near Kirkland is and has changed hands many times A mill was erected upon the properthere is a wide mineralization.

It is reported that this property Yavapai schist. near Congress Junction is about to . The ore bodies are start up again, developed and blocked out to a depth of 1100 feet. The mine also has a omplete equipment including a 26 stamp mill and all accessories. We hope the mine will take on activity, This great statesman said many as it has been a long time idle and wise things and he also made many it would mean much to that district

Cochise

There is a reported strike of rich The above quotation is almost id- gold ore close to the famous Cochise entical with that of the great trave- stronghold. The find is on what is ler Humboldt, which he made in ref- known as the Grant claims, owned by Charles Grant, who has been doing work upon the claims for som-Jones-What's the Oh Jey silver- years. Silver and zinc ores were known in the district for a number

Asbestos

The asbestos deposits 25 miles The volume of the rocky crust of north of Globe are being developed including the mean elevation Some of the material is of fine silky comes very near if not quite up to The large smoke stack at the new ological Survey says is the finest smelter at Clarkdale of the United quality found in the United States, Verde Co. is 400 feet high and the The deposits near Globe are in a tallest in the world without braces, rough country and for some miles It is expected that its height will the material has to be packed on

Santa Cruz

The World's Fair Mine near Pata what fumes do escape will receive a Powers, is undergoing steady develday every particle will erage in the neighborhood of \$200 per a producer of wonderful rich ores. energetically. The former owner us This property near Jerome as pre- ed to take out a car load of ore and

> Some Tunnel It is reported that a movement is

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would have its portal at Switchback No. 9 on the Bradshaw mountain would have a length of approximate-A mill was erected upon the proper- by 5,000 feet and the reins would be the some years ago but for some rea- tapped at a depth of 1,400 feet and was made to its further continuance and he therefore ceased the method of access to cheap electric power at the desired and the therefore ceased the method of the desired and the therefore ceased the method of the desired and the therefore ceased the method of the desired and the therefore the method of the desired and the desired and the therefore the method of the desired and the claimed would justify the expenditure of doing the work. The formation penetrated would be mainly

THE LATEST ON MANGANESE

Ferro-Manganese Higher. One con-humer Offers \$120 Seaboard For Quick Delivery

Pittsburg.-The seriousness of the ferro-manganese situation in this country is being rendered more acute by the destruction of merchant vessels in foreign waters. Aside from the apparent difficulty in lifting the English embargo. Oceanic shipping is rapidly becoming more dangerous. According to an unofficial report here \$120 seaboard has been offered by a consumer of prompt material.

teresting account of the first use of gas for fuel.

cous fuel," he writes, "were the fire tizens at \$7.00 per 1.000. worchippers on the shores of the Cas-Bedwith, Cornwall England, who about 1834, with a very favorable report. 1789 amused himself and astonished by means of bladders filled with coal

Napoleon as 'a grand folly," and Sir Walter Scott, "feared London' would be

(Italian Fire Brokers) had an amphi-

"In 1803, I. C. Henfrey made a proposition to councils to light Philadelphia by gas lights burned in high tow-

"In 1816, Dr. Charles Kagler of the same city exhibited at Peales' Museum, in the state house, 'gas lights, lamps burning without wick or oll. This lighting took place in April and was of the new theatre introduced the gas nights at the fall season of the same

William Henry, coppersmith and tin the use of the gas at the museum and theatre and was so well satisfied with

women of our age.

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Brush this through faded, lifeless locks and they become dark, glossy, youthful.

Hair that loses its color and lustre, when it fades, turns gray, dull and lifeless, is caused by a lack of sulphur in the hair. Our grandmother made up a mixture of Sage Tea and Sulphur to keep her locks dark and beautiful, and thousands of women and men who value that even color, that beautiful dark shade of hair price for standard 80 per cent ferwhich is so attractive, use only this romanganese was almost constant at old-time recipe.

Nowadays we get this famous mixire by asking at any drug store for 50 cent bottle of "Wyeth's Sage and Solohur Compound? which dark- ton were quoted, though it is probens the hair so naturally, so evenly, that nobody can possibly tell it has been applied. Besides, it takes off was a steady decline to \$62 a ton undandroff, stops scalp itching and fall- til November, and recently the price ing hair. You just dampen a sponge has risen to \$50 a ton. The price of soft brush with it and draw this of spiegeleisen has shown similar through your hair, taking one small variations but to a less degree, strand at a time. By morning the gray hair disappears; but what delights the ladies with Wyeth's Sage and Sulphur is that, besides beautifully darkening the hair after a few quent rise in prices has been to sti-applications, it also brings back the mulate interest in domestic mangangloss and lustre and gives it an ap-

mountains. The tunnel as outlined vited councils to witness the effect, new sources appear to have been This was the first private dwelling illuminated by gas in the United States. a few mines only are available, but Peals continued to light his museum it is doubtful if the total production railroad. It is presumed the work until the spring of 1818. His manu- of ores for 1914 greatly exceeded if it would tap many veins, amongst them factory was in a small closet under even equaled that for 1915, which being the Lincoln, Nelson, War Ea- the steps in the great half leading to was 4,048 tons. An interesting conagain receiving attention by develope gle and Crown King, all old properture the upper floors of the State House sequence of the shortage of ferroment. The property is an old one ties and producers. The tunnet building. Here he had a furnace and manganese has been the attempt to apparatus, and the establishment be- establish new reduction plants to use ly 6,000 feet and the veins would be ing considered dangerous, objection sources ore hitherto not available, tapped at a depth of 1,400 feet and was made to its further continuance. The Noble Electric Steel Co., having

Temple was brought to a close by the Mendocino County. In the east the burning of that building in 1819, When success of the attempt to make a the hall was rebuilt in 1822, new gas low grade ferro manganese from manas refused by councils and predictions mains to be established. were made that gas as an illuminant | The disturbances of the war will yould soon go out of use.

duce the legislature to incorporate the manganese. The English steel indus-Philadelphia Gas company, with au- try depends largely on ferromanganthority to manufacture gas and lay ese made from Indian and Russian pipes in the streets. Councils were ores, and the supply from India will denounced the project of lighting by Turkey. Germany, however with gas to be folly, unsafe, unsure, a only scanty domestic ore resources, trouble and a nuisance."

ferro-manganese, apparently in need of efforts were made to enlist the interest in Russia, and large investments of of councils was appointed to investi- made in this district. Unless there A reader of "Through the Meshes" following year, with an estimate of the assuring a supply, the continuance sent that readable little print an incost of gas for public lighting at \$3.50 of the war for a year or more will per thousand feet, exclusive of inter- make the shortage of manganese ore est and salaries. In the city of New keenly felt in the German steel in-"Probably the earliest users of gas- York at that time gas was sold to ci- dustris,

"Finally, in extreme prudence, counplan Sea, where from time immemor-ial, gas has been escaping from the son of scientific knowledge should be oil belt of that region, only to be put sent to Europe to examine into the to use on a large scale in modern times. methods of manufacturing gas there, But the first efforts to evolve gas from and Samuel V. Merrick was intrusted coal should be credited to Murdock of with the duty, returning in December

"In March 1835, councils passed an his neighbors by riding about in a little ordinance appropriating \$100,000 to the exception of the fuller's earth Grand Canyon, which the United Ge- carriage, which at night was lighted construct works of \$75,000 cubic feet found in Arkansas, all of the deposdaily capacity on the site of the old Ninth Ward gas works, which were "In 1865 the use of coal gas became tinished and put into operation. Febrgeneral in the Manchester factories, mary 3, 1836. Up to that time there had Arkansas deposit is unique. In that England, and in 1807, was introduced been only 19 applications for private it is found in place in regular veinin London, although characterized by service. The price fixed was \$2.50 per and according to Miser has been de thousand.

"Since that period, what strides have set on fire by it from Hackney Gate been made, gas for lighting purposes to Tyburn. "The first record we have of the use tallow candles, and is now mostly used of gas in the United States is in 1786, for heating purposes, especially for when Michael Ambroise and company, dwellings, but electricity is even suptheatre for exhibitions on Arch street and mineral oils in its various forms. between Eighth and Ninth, in Phila- It has made wonderful changes in power, lights and heat. What additional changes there will be in the next few the use of coal will become a heat and light generating power of the past."

A reported rich strike of gold ore said to have been made in the o satisfactory that Warner and Wood Bradshaws by John Reveile, on the east side of Sand Creek, near Humbug Creek about five miles south of the old Tiger mine. The claims are called the Monte Carlo and it is mith, constructed the apparatus for said the ore runs from \$1.00 to \$20.00 Gadsen County, near Quincy; the per pound.

discomforts that harass the men and paratory to the resumption of ore production if the present price of

Manganese Supplies Curtailed by the few hundred feet of the shore, where

Among the important industries hat have been affected by the war ily drained. The deposits of central in Europe is the production of manganese ore and alloys. The ores are dry batteries and the alloys are essential in the manufacture of stee In 1913 the United States received from Russia and India about three fourths of the manganese ore require ed for domestic use and imported from England and Germany about self the amount of ferre mangane eded by the steel industry. D. F. Hewett, of the United States Geolog ical Survey, who has examined the figures showing the imports of thes naterials for the first nine months o 914, states that the receipts of man mese ore have been 42,550 tons, or te per cent less and those of ferro manganese 37,420 tons, or 37 per cent less than for the corresponding period in 1913. As the Russian or is shipped from the ports of Poti and Batum on the Black Sea, through the Rosporus, the entrance of Turket into the war in October and the cor closing of the straits to English ships will greatly curtail not completely stop the export of al Russian ore. It seems probable, therefore, that the receipts of or during the last three months of 191were much less than for the corres ponding period in 1913. The import of ore for the entire year of 191 were probably at least 25 per cent and of ferro manganese 40 per cen less than for the preceding year, The rise in prices of ore and fermanganest reflects the decline in

published by the Carnegie Steel Co. this rise ranges from 80 cents to \$1 \$40 a ton until August. During the few weeks of confusion following the outbreak of the war extraordinary prices reaching high as \$140 above \$100 a ton. From August ther

ese deposits and to cause vigorous pearance of abundance.-Advertise- development of producing mines. Although several mines previously

"The use of gas lights in Masonic tablish the industry, using ores from vorks were erected and permission ganiferous iron ores from the Cuyung asked to extend pipes on streets to sup- range, Minnesota, by the American ply other costumers, but that privilege Manganese Co., at Dunbar, Pa., re-

make necessary a number of adjust-"In 1825 an effort was made to in- ments in the fereign industries using croused and the proposition opposed. probably be assured even if the Suez A writer in the United States Gazette canal were to fall into the hands of "From this time until 1831 various amounts of ore from the Caucasu of the public and in 1832 a committee German capital have recenfly been gate the report which they did in the has been extraordinary foresight in

OCCURRENCE OF FULLER'S

Futler's earth is found in quantity in Georgia, Florida, South Carolina, Texas; and deposits have been reported from Colorado, South Dakota Massachusetts deposit is a glacial silt known to be so classified. rived from basaltic dikes, With the exception of the Arkan

sas deposits, all known American much the same conditions as any clay bed, and have more or less ov planting that and between electricity fore the fuller's earth can be mined Usually a bed is distinctly stratified ate the lavers of earth which may be several inches thick. The geology years it is difficult to portend. Not of the Floring earths has been des-only the use of gas but it may be that Lesits is mentioned by Sloan and that of the Georgia deposits by Veatch; deposits have never been fully mapped or described. The geology of the Miser, and that of the Texas deposit by Duessen and the deposits at Law The Florida deposits are mainly is The owner works an arrastra on across the state line from Quincy other Fiorida deposits are at Ellenton, in Manatee county on the wesconst of southern Florida. Though Here Is Foot Comfort

Worried feet cause half the ills and is seconforts that harass the men and paratory to the resumption of ore in the Florida deposits are much like any other in mode of occurrence, they are used almost wholly on minimal interpretations and workings gotten in shape pretrong the Florida deposits are much like any other in mode of occurrence, they are used almost wholly on minimal interpretations that harass the men and paratory to the resumption of ore posits in southern Florida lie below

> Georgia are in a different geological formation from those of Florida, and he largest and best deposits are o

> as those in northwestern Florida, ex-

stream, are high lying and are eas

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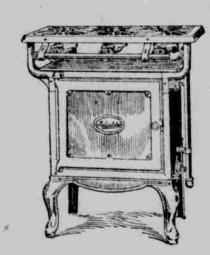
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